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L3: Entry 10 of 14 File: DWPI Sep 20, 2000

DERWENT-ACC-NO: 1999-360000
DERWENT-WEEK: 200047

TITLE: Nucleotide sequence of porcine circovirus MAP - useful in vaccines against MAP circovirus infection and in gene therapy

INVENTOR: ALBINA, E; ARNAULD, C ; BLANCHARD, P ; CARIOLET, R ; HUTET, E ; JESTIN, A ; LE CANN, P ; MADEC, F ; MAHE, D ; TRUONG, C

PRIORITY-DATA: 1997FR-0015396 (December 5, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
EP 1036180 A2	September 20, 2000	F	000	C12N015/34
FR 2772047 A1	June 11, 1999		089	C12N015/34
WO 9929871 A2	June 17, 1999	F	000	C12N015/34
AU 9914916 A	June 28, 1999		000	C12N015/34

INT-CL (IPC): A01 K 67/027; A61 K 39/12; A61 K 39/42; A61 K 48/00; C07 H 21/02; C07 K 14/01; C07 K 16/08; C07 K 19/00; C12 N 5/10; C12 N 7/00; C12 N 7/04; C12 N 15/34; C12 N 15/85; C12 N 15/86; C12 Q 1/68; G01 N 33/569; G01 N 33/68

ABSTRACTED-PUB-NO: FR 2772047A
BASIC-ABSTRACT:

Nucleotide sequence comprising a 1759 bp genomic DNA sequence (I) of a porcine circovirus called MAP (''maladie de l'amaigrissement du porcelet''; piglet fatal wasting disease), is new.

Also claimed are:

(1) The nucleotide sequence of the porcine circovirus is: (a) a fragment of (I); (b) a nucleotide sequence homologous to the nucleotide sequence of (a); (c) a nucleotide sequence complementary to (I) or complementary to the nucleotide sequence of (a) or (b); (d) a nucleotide sequence capable of hybridizing under stringent conditions to the nucleotide sequence of (a), (b) or (c); (e) a nucleotide sequence comprising (I) or the nucleotide sequences of (a), (b), (c) or (d); (f) a modified nucleotide sequence comprising the nucleotide sequence of (a), (b), (c), (d) or (e).

(2) polypeptide encoded by the nucleotide sequence of (1);

(3) cloning and/or expression vectors containing the nucleotide sequences;

(4) viral or pseudoviral particles generated from the vectors;

(5) host cells transformed with the vectors or (pseudo)viral particles;

(6) animals containing the transformed cells;

(7) synthetic polypeptides obtained using the amino acid sequence of a polypeptide as in (1);

(8) hybrid polypeptides comprising at least one sequence of a polypeptide as in (2) or (7) and a sequence of an immunogenic polypeptide;

(9) nucleotide sequences encoding the hybrid polypeptides;

(10) vectors containing a sequence as in (9);

(11) a method for the detection of the porcine circovirus;

(12) mono- or polyclonal antibodies or their fragments or chimeric antibodies capable of specifically recognising a polypeptide as in (2) or (7); and

(13) compounds that are capable of binding to a polypeptide or nucleotide sequence as above or of recognising an antibody as in (12) and/or of modulating, inducing or inhibiting the expression of genes and/or of modifying the cellular replication of MAP circovirus or of inducing or inhibiting pathologies associated with MAP circovirus infection in pigs and are capable of being selected by a screening assay comprising contacting a compound with a polypeptide, nucleotide sequence or transformed cell as above or administering the compound to an animal as in (6) and determining the effect of the compound.

USE - The polypeptides can be used to detect anti-MAP antibodies. The antibodies can be used to detect MAP antigens. The nucleotide sequences can be used as probes or primers for detecting MAP nucleic acids. The nucleotide sequences, polypeptides, vectors, (pseudo)viral particles, transformed cells and compounds selected by the screening assay can be used in pharmaceutical compositions. The polypeptides, nucleotide sequences, vectors and transformed cells can be used in vaccines against MAP circovirus infection. The vectors, (pseudo)viral particles and transformed cells can be used for gene therapy.

ABSTRACTED-PUB-NO: FR 2772047A
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/11

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Search Results - Record(s) 1 through 10 of 14 returned.

☐ 1. Document ID: US 6395472 B1

L1: Entry 1 of 14 File: USPT May 28, 2002

US-PAT-NO: 6395472
DOCUMENT-IDENTIFIER: US 6395472 B1

TITLE: Methods of utilizing the TT virus

DATE-ISSUED: May 28, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Leary; Thomas P.	Kenosha	WI		
Erker; James	Hainesville	IL		
Chalmers; Michelle	Lake Villa	IL		
Simons; John	Grayslake	IL		
Birkenmeyer; Larry	Chicago	IL		
Muerhoff; Scott	Kenosha	WI		
Pilot-Matias; Tami	Green Oaks	IL		
Desai; Suresh	Libertyville	IL		
Mushahwar; Isa	Grayslake	IL		

US-CL-CURRENT: 435/5; 435/6, 435/91.2, 536/24.3, 536/24.32, 536/24.33

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw. Desc | Image

☐ 2. Document ID: US 6391314 B1

L1: Entry 2 of 14 File: USPT May 21, 2002

US-PAT-NO: 6391314
DOCUMENT-IDENTIFIER: US 6391314 B1

TITLE: Porcine circoviruses vaccines diagnostic reagents

DATE-ISSUED: May 21, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allan; Gordon	Belfast			GB
Meehan; Brian	Belfast			GB
Clark; Edward	Saskatoon			CA
Ellis; John	Saskatoon			CA
Haines; Deborah	Saskatoon			CA
Hassard; Lori	Saskatoon			CA
Harding; John	Humboldt			CA
Charreyre; Catherine Elisabeth	Saint-Laurent de Mure			FR
Chappuis; Gilles Emile	Lyons			FR
McNeilly; Francis	Newtonards			GB

US-CL-CURRENT: 424/204.1; 424/201.1, 424/202.1, 435/320.1, 514/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

☐ 3. Document ID: US 6368601 B1

L1: Entry 3 of 14 File: USPT Apr 9, 2002

US-PAT-NO: 6368601
DOCUMENT-IDENTIFIER: US 6368601 B1

TITLE: Porcine circovirus vaccine and diagnostics reagents

DATE-ISSUED: April 9, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allan; Gordon	Belfast			GB
Meehan; Brian	Belfast			GB
Clark; Edward	Saskatoon			CA
Ellis; John	Saskatoon			CA
Haines; Deborah	Saskatoon			CA
Hassard; Lori	Saskatoon			CA
Harding; John	Humboldt			CA
Charreyre; Catherine Elisabeth	Saint-Laurent de Mure			FR
Chappuis; Gilles Emile	Lyons			FR
McNeilly; Francis	Newtownards			GB

US-CL-CURRENT: 424/204.1; 435/235.1, 435/320.1, 435/5, 514/44, 536/23.1, 536/23.4

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 4. Document ID: US 6319693 B1

L1: Entry 4 of 14 File: USPT Nov 20, 2001

US-PAT-NO: 6319693
DOCUMENT-IDENTIFIER: US 6319693 B1

TITLE: Cloning of chicken anemia virus DNA

DATE-ISSUED: November 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noteborn; Matheus H. M.	Leiden			NL
de Boer; Gerben F.	Lelystad			NL

US-CL-CURRENT: 435/91.2; 435/252.3, 435/320.1, 435/325, 435/455, 435/471, 435/5, 435/6, 435/810, 536/23.1, 536/23.72, 536/24.32, 536/24.33

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 5. Document ID: US 6303345 B1

L1: Entry 5 of 14 File: USPT Oct 16, 2001

US-PAT-NO: 6303345
DOCUMENT-IDENTIFIER: US 6303345 B1

TITLE: Use of a virus DNA as promoter

DATE-ISSUED: October 16, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Rohde; Wolfgang	Buseck			DE
Becker; Dieter	Koln			DE
Randles; John W.	Stirling			AU
Hehn; Alain	Koln			DE
Salamini; Francesco	Koln			DE

US-CL-CURRENT: 435/91.4; 435/320.1, 536/23.1, 536/24.1

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 6. Document ID: US 6287856 B1

L1: Entry 6 of 14 File: USPT Sep 11, 2001

US-PAT-NO: 6287856
DOCUMENT-IDENTIFIER: US 6287856 B1

TITLE: Vaccines against circovirus infections

DATE-ISSUED: September 11, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Poet; Steven E.	Winterville	GA		
Ritchie; Branson W.	Athens	GA		
Niagro; Frank D.	Lawrenceville	GA		
Lukert; Phil D.	Colbert	GA		

US-CL-CURRENT: 435/320.1; 424/186.1, 424/93.1, 424/93.21, 514/44, 530/350, 536/23.1, 536/23.5

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 7. Document ID: US 6238669 B1

L1: Entry 7 of 14 File: USPT May 29, 2001

US-PAT-NO: 6238669
DOCUMENT-IDENTIFIER: US 6238669 B1

TITLE: Proteins encoded by chicken anemia virus DNA and diagnostic kits and vaccines employing said proteins

DATE-ISSUED: May 29, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Noteborn; Mathews H. M.	Leiden			NL
De Boer; Gerden F.	Lelystad			NL

US-CL-CURRENT: 424/186.1; 424/204.1, 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC
Draw Desc | Image

☐ 8. Document ID: US 6217883 B1

L1: Entry 8 of 14 File: USPT Apr 17, 2001

US-PAT-NO: 6217883
DOCUMENT-IDENTIFIER: US 6217883 B1

TITLE: Porcine circovirus and paravovirus vaccine

DATE-ISSUED: April 17, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Allan; Gordon Moore	Belfast			GB
Meehan; Brian Martin	Belfast			GB
Ellis; John Albert	Saskatchewan			CA
Krakowka; George Steven	Columbus	OH		
Audonnet; Jean-ChrJistophe Francis	Lyons			FR

US-CL-CURRENT: 424/202.1; 424/199.1, 424/201.1, 424/209.1, 424/220.1, 424/229.1, 424/257.1, 424/264.1, 424/815, 435/235.1, 435/810, 514/44

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWMC | Draw. Desc | Image

☐ 9. Document ID: US 6211431 B1

L1: Entry 9 of 14 File: USPT Apr 3, 2001

US-PAT-NO: 6211431
DOCUMENT-IDENTIFIER: US 6211431 B1

TITLE: Plant transcription regulators from circovirus

DATE-ISSUED: April 3, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Boevink; Petra Christina	Lyneham			AU
Surin; Brian Peter	Rivett			AU
Keese; Paul Konrad	Curtin			AU
Chu; Paul Wing Gay	Florey			AU
Waterhouse; Peter Michael	O'Connor			AU
Khan; Rafiqul Islam	Giralang			AU
Larkin; Philip John	Weston			AU
Taylor; William Clark	Bungendore			AU
Marshall; Jerry Stuart	Aranda			AU

US-CL-CURRENT: 800/278; 435/320.1, 435/468, 435/69.1, 536/24.1, 800/280, 800/288, 800/298, 800/301, 800/302

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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☐ 10. Document ID: US 6033844 A

L1: Entry 10 of 14 File: USPT Mar 7, 2000

US-PAT-NO: 6033844
DOCUMENT-IDENTIFIER: US 6033844 A

TITLE: Porcine reproduction respiratory syndrome diagnostic

DATE-ISSUED: March 7, 2000

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Visser; Nicolaas	Boxmeer			NL
Ohlinger; Volker	Tubingen			DE

US-CL-CURRENT: 435/5; 424/204.1, 435/235.1, 436/518, 530/350

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | KWIC | Draw Desc | Image

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Terms	Documents
circovirus	14

Display Format: Change Format

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L5: Entry 5 of 12 File: DWPI Aug 8, 2002

DERWENT-ACC-NO: 1999-394957
DERWENT-WEEK: 200254

TITLE: New isolated porcine circovirus Type II

INVENTOR: BABIUK, A L; POTTER, A A ; WANG, L ; WILLSON, P ; BABIUK, L A

PRIORITY-DATA: 1997US-069750P (December 16, 1997), 1997US-069233P (December 11, 1997), 1998US-0209961 (December 10, 1998), 2001US-0935428 (August 20, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 20020106639 A1	August 8, 2002		000	C12Q001/70
WO 9929717 A2	June 17, 1999	E	081	C07K014/00
ZA 9811410 A	August 31, 1999		082	C07H000/00
AU 9915526 A	June 28, 1999		000	C07K014/00
EP 1037909 A2	September 27, 2000	E	000	C07K014/00
BR 9813485 A	October 17, 2000		000	C07K014/00
KR 2001033024 A	April 25, 2001		000	C12N015/34
CN 1309708 A	August 22, 2001		000	C12N015/34
JP 2001525194 W	December 11, 2001		081	C12N015/09

INT-CL (IPC): A61 K 39/12; A61 P 31/20; C07 H 0/00; C07 H 21/04; C07 K 1/00; C07 K 14/00; C07 K 14/01; C07 K 16/00; C07 K 16/08; C07 K 17/00; C12 N 1/15; C12 N 1/19; C12 N 1/21; C12 N 5/06; C12 N 5/10; C12 N 5/16; C12 N 7/00; C12 N 7/01; C12 N 15/00; C12 N 15/09; C12 N 15/34; C12 N 15/63; C12 N 15/70; C12 N 15/74; C12 P 21/02; C12 P 21/04; C12 P 21/06; C12 P 21/08; C12 Q 1/68; C12 Q 1/70; G01 N 33/53; G01 N 33/569; C12 N 15/09; C12 R 1:92

ABSTRACTED-PUB-NO: US20020106639A
BASIC-ABSTRACT:

NOVELTY - A new isolated porcine circovirus Type II is obtained from postweaning multisystemic wasting syndrome-affected pigs.

DETAILED DESCRIPTION - (A) A novel isolated polynucleotide (PN) capable of selectively hybridizing to a porcine circovirus Type II (PCVII) nucleotide sequence (NS), comprises at least about 8 contiguous nucleotides derived from, or complementary to a PCVII

sequence shown (sequences (I), (XI), (XII) and (XXIV)).

INDEPENDENT CLAIMS are also included for the following:

(1) a PN encoding an immunogenic PCVII polypeptide having at least 85% identity to a polypeptide selected from:

(a) an open reading frame (ORF) 1 (I));

(b) ORF 2 (II);

(c) ORF 3 (III));

(d) ORF 4 (IV));

(e) ORF 5 (V);

(f) ORF 6 (VI); and

(g) immunogenic fragment of (a)-(f) comprising at least about 5 amino acids (sequences for I-VI are given in the specification);

(2) a recombinant vector comprising:

(a) a PN as in (A) or (1); and

(b) control elements that are operably linked to the PN whereby a coding sequence within the PN can be transcribed and translated in a host cell, and at least one of the control elements is heterologous to the coding sequence;

(3) a host cell transformed with a recombinant vector as in (2);

(4) an immunogenic PCVII having at least 85% identity to a polypeptide selected from (a)-(g) as in (1);

(5) antibodies raised by a polypeptide as in (4);

(6) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising an immunogenic PCVII polypeptide as in (4), and instructions for conducting the immunodiagnostic test; and

(7) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising a PN as in (A) and instructions for conducting the immunodiagnostic test.

USE - The PCVII polypeptides can be used for treating or preventing PCVII infection in vertebrates (claimed). The products can also be used to detect the PCVII.

ABSTRACTED-PUB-NO:

WO 9929717A
EQUIVALENT-ABSTRACTS:

NOVELTY - A new isolated porcine circovirus Type II is obtained from postweaning multisystemic wasting syndrome-affected pigs.

DETAILED DESCRIPTION - (A) A novel isolated polynucleotide (PN) capable of selectively hybridizing to a porcine circovirus Type II (PCVII) nucleotide sequence (NS), comprises at least about 8 contiguous nucleotides derived from, or complementary to a PCVII sequence shown (sequences (I), (XI), (XII) and (XXIV)).

INDEPENDENT CLAIMS are also included for the following:

(1) a PN encoding an immunogenic PCVII polypeptide having at least 85% identity to a polypeptide selected from:

(a) an open reading frame (ORF) 1 (I));

(b) ORF 2 (II);

(c) ORF 3 (III));

(d) ORF 4 (IV));

(e) ORF 5 (V);

(f) ORF 6 (VI); and

(g) immunogenic fragment of (a)-(f) comprising at least about 5 amino acids (sequences for I-VI are given in the specification);

(2) a recombinant vector comprising:

(a) a PN as in (A) or (1); and

(b) control elements that are operably linked to the PN whereby a coding sequence within the PN can be transcribed and translated in a host cell, and at least one of the control elements is heterologous to the coding sequence;

(3) a host cell transformed with a recombinant vector as in (2);

(4) an immunogenic PCVII having at least 85% identity to a polypeptide selected from (a)-(g) as in (1);

(5) antibodies raised by a polypeptide as in (4);

(6) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising an immunogenic PCVII polypeptide as in (4), and instructions for conducting the immunodiagnostic test; and

(7) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising a PN as in (A) and instructions for conducting the immunodiagnostic test.

USE - The PCVII polypeptides can be used for treating or preventing PCVII infection in vertebrates (claimed). The products can also be used to detect the PCVII.

ABSTRACTED-PUB-NO: US20020106639A
EQUIVALENT-ABSTRACTS: NOVELTY - A new isolated porcine circovirus Type II is obtained from postweaning multisystemic wasting syndrome-affected pigs. DETAILED DESCRIPTION - (A) A novel isolated polynucleotide (PN) capable of selectively hybridizing to a porcine circovirus Type II (PCVII) nucleotide sequence (NS), comprises at least about 8 contiguous nucleotides derived from, or complementary to a PCVII sequence shown (sequences (I), (XI), (XII) and (XXIV)). INDEPENDENT CLAIMS are also included for the following: (1) a PN encoding an immunogenic PCVII polypeptide having at least 85% identity to a polypeptide selected from: (a) an open reading frame (ORF) 1 (I)); (b) ORF 2 (II); (c) ORF 3 (III)); (d) ORF 4 (IV)); (e) ORF 5 (V); (f) ORF 6 (VI); and (g) immunogenic fragment of (a)-(f) comprising at least about 5 amino acids (sequences for I-VI are given in the specification); (2) a recombinant vector comprising: (a) a PN as in (A) or (1); and (b) control elements that are operably linked to the PN whereby a coding sequence within the PN can be transcribed and translated in a host cell, and at least one of the control elements is heterologous to the coding sequence; (3) a host cell transformed with a recombinant vector as in (2); (4) an immunogenic PCVII having at least 85% identity to a polypeptide selected from (a)-(g) as in (1); (5) antibodies raised by a polypeptide as in (4); (6) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising an immunogenic PCVII polypeptide as in (4), and instructions for conducting the immunodiagnostic test; and (7) an immunodiagnostic test kit for detecting PCVII infection in a vertebrate subject comprising a PN as in (A) and instructions for conducting the immunodiagnostic test. USE - The PCVII polypeptides can be used for treating or preventing PCVII infection in vertebrates (claimed). The products can also be used to detect the PCVII. WO 9929717A

CHOSEN-DRAWING: Dwg.0/6

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d his

     (FILE 'HOME' ENTERED AT 16:15:17 ON 10 SEP 2002)

     FILE 'MEDLINE' ENTERED AT 16:15:23 ON 10 SEP 2002
L1           188 S CIRCOVIRUS
L2             0 S TYPE B AND L1
L3             3 S TYPE II AND L1
               E JUSTIN A/AU
L4             2 S E3
L5             1 S E4
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WEST Search History

DATE: Tuesday, September 10, 2002

Set Name side by side	Query	Hit Count	Set Name result set
DB=DWPI; PLUR=YES; OP=ADJ			
L5	Albania E.in.	0	L5
L4	Justin A.in.	1	L4
L3	circovirus	14	L3
DB=USPT; PLUR=YES; OP=ADJ			
L2	circovirus and "type B"	0	L2
L1	circovirus	14	L1

END OF SEARCH HISTORY